RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: Source: Date Processed by STIC:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

- PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT; WITH A

FOR CRISUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3:1 PROGRAM; ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by the treatment given to all mail coming via the Brentwood

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission
- User Manual ePAVE) 2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
- U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, 1911 South Clark Street, Crystal Mall One, Sequence Information, Arlington, VA 22202
 - U.S. Patent and Trademark Office, 2011 South Clark Place, Customer Window, Box Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, Virginia 22202
- 4. Federal Express Delivery, 2011 South Clark Street, Crystal Plaza 2, Room 1B03-Mailroom, Box Sequence, Arlington, VA 22202

OIPE

RAW SEQUENCE LISTING PATENT APPLICATION: US/10/015,395

DATE: 12/21/2001 TIME: 07:38:21

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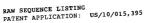
RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,395

DATE: 12/21/2001 TIME: 07:38:21

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,395

DATE: 12/21/2001 TIME: 07:38:21

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Use of n and/or Xaa has been detected in the Sequence Listing. use or n and/or Ala has been detected in the separation Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 12/21/2001 TIME: 07:38:22 PATENT APPLICATION: US/10/015,395

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VERIFICATION SUMMARY PATENT APPLICATION: US/10/015,395

DATE: 12/21/2001 TIME: 07:38:22

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  L:6910 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:107
  L:6913 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:107
  L:6923 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:108
  L:6926 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:108
```

VERIFICATION SUMMARY PATENT APPLICATION: US/10/015,395

DATE: 12/21/2001 TIME: 07:38:22

Input Set : A:\Seq_List_for_P2830P1C57.wpd
Output Set: N:\CRF3\12212001\J015395.raw

L:6936 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109
L:6939 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:109
L:7066 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:110
L:7069 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112
L:7079 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:112
L:7082 M:227 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112
L:7092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114
L:7095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114
L:7095 M:257 W: Feature value mis-spelled or invalid, <213> ORGANISM for SEQ ID#:114
L:7473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114
L:7473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:119
L:14262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259
L:20824 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:20939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377
L:22554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:372